

Claims 1 to 7 - cancel

8. (New) A semi sandwich panel, comprising surface finishing materials folded with each other, each has a predetermined thickness and size, and is made of one of a glass fiber, carbon fiber, a synthetic fiber, and an aramid fiber; and

a core material into a predetermined position between surface finishing materials in which the core material has a predetermined volume protruding from one side of the surface finishing materials as much as the predetermined volume, and is formed by impregnation one of an aluminum honeycomb, a synthetic paper honeycomb, a paper honeycomb, a urethane foam and an acrylic foam into phenol or epoxy resin.

9. (New) The panel as claimed in claim 8, wherein the core material further comprising an insert nut installed therein so that a bolt is externally connected to the insert nut.

10. (New) The panel as claimed in claim 9, wherein the predetermined position is of the surface finishing materials and/or portions of the edge.

11. (New) The panel, as claimed in claim 8, wherein the predetermined position is edges of the surface finishing materials and /or portions of the edges.

The core material is formed of more than one material selected from the group formed of an aluminum honeycomb, a ~~nomex~~ NOMEX that known under the Regd. Trade Mark honeycomb, a paper honeycomb, a urethane foam, and an acrylic foam.